



State of Connecticut Health Information Technology Advisory Council Session #6

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- Introductions
- Public Comment
- Review and Approval of 1/21/16 Meeting Minutes
- Appointments Update
- Review Previous Action Items
- HIE Timeline Update
- Discussion of the HIE Presentations
- Vote on soliciting an RFI versus an RFP for HIE vendor(s)
- HITE-CT Policies and Procedures Q&A
- Future Agenda Item Requests
- Wrap Up and Next Steps



Public Comment



Review and Approval of 1/21/16 Meeting Minutes



Appointments Update

Description	# Appointed	# Remaining
Four members appointed by the Governor	4	1
Two members appointed by House Representative Speaker	0	2



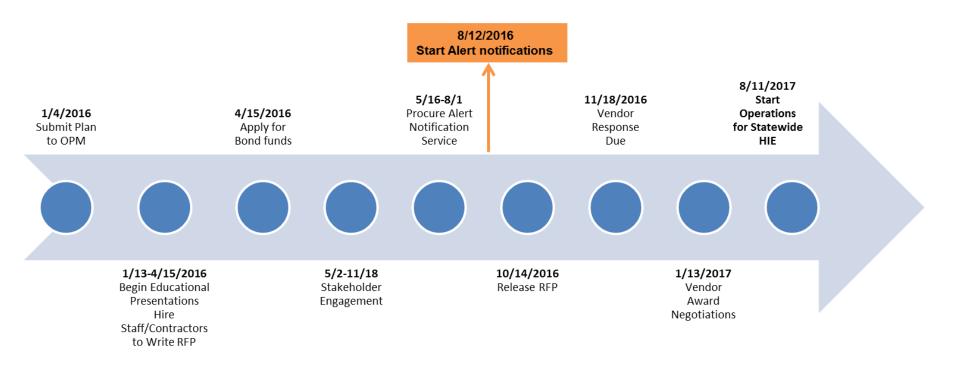
Previous Action Items

#	Description	Assigned To	Follow Up Date
1	Vote on soliciting an RFI versus an RFI	HealthIT Advisory	3/17/2016
	and RFP for HIE vendor(s).	Council	
2	Search and provide the predecessor	Patrick Charmel	1/21/2016
	work to be added to the history		3/17/2016
	section of the State HIE Plan.		
3	CSG is to provide literature it	CSG	3/17/2016
	reviewed regarding the patient		
	consent models.		
4	Obtain national experts to provide	Dr. Tikoo	
'	the Council with information		
	regarding patient consent models.		
5	Provide the Council with the HITE-CT	Dr. Tikoo	1/28/2016
	Consent Policy.		



Timeline of Activities

Timeline of Activities 1/4/2016 - 8/11/2017



^{*}Assumes a 1.5 month schedule shift from the timeline on page 22 of "Connecticut's Plan to Establish a Statewide Health Information Exchange" submitted to OPM on January 4, 2016. This shift is a result of the delay in OPM approval.



HIE Presentation Discussion

Grouped by Council Presentation Questions



DRAITSchedule of HIE Presentations

Date	Time	Presenter
January 13, 2016	10:00 AM – 11:00 AM	Dan Paoletti, CEO of OH's
		statewide HIE – CliniSync
January 27, 2016	10:00 AM – 11:00 AM	Douglas Dietzman, Executive
		Director Great Lakes Health
		Connect (MI)
February 10, 2016	10:00 AM – 11:00 AM	Amy Zimmerman, RI HIT
		Coordinator
February 24, 2016	10:00 AM – 11:00 AM	Van Zimmerman
		Jersey Health Connect
March 2, 2016	10:00 AM – 11:00 AM	Devore Culver, CEO
		HealthInfoNet (ME)



Summary

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Overview		_		
State HIE	Year Started	Consent Mode	Annual Costs	Number of Participating Organizations
New Jersey: Health Connect	2010	Opt-Out	\$5.8M	 32 Hospitals 175 LTC Facilities 8K Physicians & Offices 6M Individuals
Maine: HealthInfo Net	2010	Opt-Out	\$6.5M	 37 Hospitals 38 FQHC 456 Outpatient Sites (Practices, BHC, LTC)
Rhode Island: CurrentCare	2011	Opt-In	\$9M- \$11M	4,677 Physicians400+ Providers4.9K Individuals
Ohio: CliniSync	2011	Opt-Out	\$5M- \$8M	 4,886 Physicians 365 LTC Facilities 15K Providers 150 Hospitals
Michigan: Great Lakes Health Connect	2014	Opt-Out	\$9M	 4K Physicians & Offices 18K Providers 6.5M Individuals



Background

HIE	Background
Maine: HealthInfo Net	Independent; private, non-profit organization ➤ Started: 2010 ➤ Consent Model: Opt-Out ➤ Participating Organizations: ✓ 37 hospitals (100% of Maine hospitals are participating) ✓ 38 FQHCs ✓ 456 outpatient sites (physician practices, behavioral health, LTC) ✓ National connectivity w/ Veterans Affairs (VA) & Nationwide Health Information Network
New Jersey: Health Connect	Independent; private, non-profit organization ➤ Started: 2010 ➤ Consent Model: Opt-Out ➤ Participating Organizations: ✓ 32 Hospitals ✓ 175 LTC Facilities ✓ 8K Physicians & Offices ✓ 6M Individuals



Background Cont'd

HIE	Background
Ohio: CliniSync	501 © (3); non-profit organization ➤ Started: 2011 ➤ Consent Model: ✓ 2011-2015: Opt-In ✓ 2016: Opt-Out; launched 1/31/16 ➤ Participating Organizations ✓ 4,886 Physicians ✓ 365 LTC facilities ✓ 15K Providers ✓ 150 Hospitals
Rhode Island: CurrentCare	 Independent; not-for-profit organization ➤ Started: 2011 ➤ Consent Model: Opt-In ➤ Participating Organizations: ✓ 4.9K Individuals ✓ 4,677 Physicians ✓ 400+ Providers (i.e. primary care, LTC facilities)



Background Cont'd

HIE	Background
Michigan: Great Lakes Health Connect	Private, non-profit 501 © (3) organization ➤ Started: 2014 ➤ Consent Model: Opt-Out ➤ Participating Organizations ✓ 4K Physicians & Offices ✓ 18K Providers ✓ 6.5M Individuals



Governance Structure

HIE	Governance Structure
Maine: HealthInfo Net	 ▶ Board of Directors (reps variety of organizations): ✓ Business ✓ Providers ✓ Payers ✓ Consumers ✓ State Government
New Jersey: Health Connect	 Governed by voluntary Board of Directors made up of 32 Hospitals: Organizational: Board of trustees, Executive Director,



DRAF Governance Structure (Cont'd)

HIE	Governance Structure		
Ohio: CliniSync	 ▶ Organizational: ✓ Founding Board Members include: Ohio Hospital Assoc., Ohio Osteopathic Assoc. and Ohio State Medical Assoc. ✓ 18 board members total ✓ 3 Provider Association Members (Founding) ✓ 3 Physicians ✓ 2 Hospitals ✓ 4 At Large Seats (includes LTC) ✓ 1 Each Consumer, FQHC, Payer and Business Reps ▶ Operational: ✓ CAC (CliniSync Advisory Council) ✓ 28 members (Stakeholders) 		
Rhode Island: CurrentCare	 ➢ Board of Directors: ✓ CEOs from Insurers, Hospitals, large provider groups, behavioral & community health, academia, consumer groups, business, etc. ✓ State government ex-officio non-voting ➢ Committees: ✓ Board level and Community ➢ State Oversight: ✓ Governor's office- monitoring efforts ➢ State Law HIE Act of 2008:		



DRAF Governance Structure (Cont'd)

HIE	Governance Structure
Michigan: Great Lakes Health Connect	 Director-based organization; 15 board members: ✓ 7 elected from each legacy organization ✓ 1 jointly selected by new GLHC Board ✓ 5 person Board Executive Committee ✓ Representatives include physicians, CMH, and health system executives ✓ No pre-determined Board composition requirements



Focus of the HIE

HIE	Focus of the HIE (Vision, Goals, Objectives)
Maine: HealthInfo Net	Vision: To be the leading resource of HIE services in Northern New England. Partnering with the health care community, HealthInfoNet will deliver innovative technical tools built on comprehensive, timely and actionable information. Services will be responsive to changing clinical decision-making and operational needs across the care continuum.
New Jersey: Health Connect	 Vision: ➤ Electronic access to health info whenever and wherever it's needed ➤ Allow organizations to maintain individual technology strategies ➤ Improve care coordination, outcomes, and efficiencies via real-time exchange ➤ Provide consumers a consolidated view of their health info to encourage active and informed participation
Ohio: CliniSync	 Vision: ➤ Health Information exchange isn't just about technology, it's about community and trust. (Technology is the easy part) ➤ To allow data to follow the patient



Focus of the HIE (Cont'd)

HIE	Focus of the HIE (Vision, Goals, Objectives)
Rhode Island: CurrentCare	Vision: To maximize the effective use of technology by patients, providers, policymakers and researchers to realize significant and continuous improvements in the quality and outcomes of health care delivery in the state.
Michigan: Great Lakes Health Connect	Vision: To significantly improve health outcomes and healthcare value for patients, providers, organizations and communities we serve. Objectives: (Guiding Principles) ✓ Build "care-connected communities" state-wide ✓ Add discrete tangible value where there are gaps ✓ Keep providers in their native systems if at all possible



Associated Costs

HIE	Associated Costs
Maine: HealthInfo Net	 ➤ Annual: \$6.5M ➤ Sources of funding: ✓ 60% Federal grants and private foundation funds, State contracts-\$4.2M ✓ 40% Providers subscription fees and service contracts-covers the core costs of running the HIE-\$2.4M
New Jersey:	Annual: \$5.8MSources of funding:
Health Connect	✓ Flat charge of \$130,000/hospital/year✓ Don't receive any money from the state
Ohio: CliniSync	 ➤ Annual: \$5M-\$8M ➤ Sources of funding: Initial funding: \$28.3M by REC Market-based approach; no more funds received from state or federal \$1,500 Critical Access Hospitals payment per month \$2,000 for Non-Critical Access Hospitals PMPM fees (Per Member Per Month) Annual Subscriptions Fee per Provider Per Year



Associated Costs (Cont'd)

HIE	Associated Costs
Rhode Island: CurrentCare	 ➤ Annual: \$9M-\$11M ➤ Sources of funding: \$5M AHRQ grant from 2004 \$1 PMPM by state- Voluntary Broad Based Payer Model \$90/10 Medicaid matching funding Payers, Hospitals, grants- PTN/TCIP, ONC HIE, private foundations for analytics Regional Extension Center and Beacon Community (2010)
Michigan: Great Lakes Health Connect	 ➤ Annual: \$9M ➤ Sources of funding: ✓ No federal or state funding ✓ Start-up funding: Fees from founding participants/donations ✓ Built as a business vs. public utility ✓ Core Participation Fee ✓ Project Fees (one-time) ✓ Solution/Service Fees (ongoing)



Data in the HIE

HIE	Data in the HIE
Maine: HealthInfo Net	 Patient Identifier, demographics & PCP (registration data) Encounter/Visit History Laboratory and Microbiology Results Vital signs (new data) Radiology Reports Adverse Reactions/Allergies Medication History from Pharmacies & Medicaid Claims Diagnosis/Conditions/Problems (primary and secondary) Immunizations (primarily adult) Documents (Discharge summaries, office notes, reports, etc.) Continuity of Care Documents (CCD)
New Jersey: Health Connect	 Medicaid data (receive from payer, not Medicaid directly) Claims data Patient records Clinical data/test results



Data in the HIE (Cont'd)

HIE	Data in the HIE
Ohio: CliniSync	 ADT/Registration and CCD/CCDA Referrals and other communications in Referral Application Eligibility Files Pharmacy, optometry and other svcs. Looking at claim contribution Provider Directory for Transitions of Care Public Health Reporting Clinical Data Marts Notifications
Rhode Island: CurrentCare	 Lab results ADT transactions Medications Clinical Summaries Diagnostic/Imaging Reports EKGs Telehealth data State Continuity of Care form



Data in the HIE (Cont'd)

HIE	Data in the HIE
Michigan:	➤ Patient Records and Encounter Data
Great Lakes Health	
Connect	



Services Provided

HIE	Services Provided
Maine: HealthInfo Net	 Accountable Care Data Services Automated Laboratory Reporting Notification Services Reporting and Analytics Statewide Data Repository & Secondary Use Syndromic Surveillance
New Jersey: Health Connect	 Direct Messaging Encounter Notification Enterprise Imaging Patient Lookup Query
Ohio: CliniSync	 Clinical Results Inbox & Reports Community Health Record Direct Clinical Messaging Health Plan Services Integration into Nation Prescription Drug Monitoring Database Master Patient Index Referrals



Services Provided (Cont'd)

HIE	Services Provided
Rhode Island: CurrentCare	 Analytics Bi-directional data integration with EHR CurrentCare Alerts CurrentCare for Me CurrentCare View Provider Directory
Michigan: Great Lakes Health Connect	 Closed Loop Referral Mgmt/Care Coordination Data Enrichment Services Direct Clinical Messaging Explore Operational Reporting & Analytics Image Exchange Meaningful Use Support Results & CCD Delivery State Registries Virtual Integrated Patient Record (VIPR)



Recommended Best Practices

HIE	
Maine:	
HealthInfo Net	
New Jersey: Health Connect	 Open Governance Structure Outsourced Staffing Vendor Neutral Model Patient Identification Standards Dedicated Patient Portal Support Population Health
Ohio: CliniSync	 Don't create the theory of HIE and hope participants comesolve real problems Potential partnership model to maximize investments already made and to leverage a Sustainability Model Grassroots efforts are key The "Circle of Trust" is very fragile Low pricing and Community Approach is key for buy in Don't believe half of what you hear about capabilities



Read in ended Best Practices (Cont'd)

HIE	Recommended Best Practices
Rhode Island: CurrentCare	 ▶ Patient/Consumer: ✓ Keep focus on Patients/Consumers and all decisions/actions should be based on this principal. ▶ Use: ✓ Change to value based purchasing will drive use of the system ✓ Educate individuals to adopt/use the system early on ▶ Local leadership: ✓ Create a vision that recognizes that an HIE's "power" is about what can be accomplished collectively for the betterment of patients ✓ Actively engage in driving that vision to reality Collaboration and Transparency:
Michigan:	Don't create the theory of HIE and hope participants come- solve real problems
Great Lakes Health Connect	 Run it like any other business Start with the easier items to build momentum of success Implement in a highly focused way HIE is not fundamentally about technology, but workflow and people



Lessons Learned

HIE	Lessons Learned
Maine: HealthInfo Net	 Develop the Service and Product Infrastructure Expand HIN HIE and Analytic Products into National and Regional Markets ✓ Out-of-state services will provide additional funding Enhance and Expand HIE Services ✓ Will be expanded to meet reporting/analytics, notification requirements, and quality/efficiency improvement activities ✓ Pharmacies will participate as members of HIE
New Jersey: Health Connect	 Establish support staff early on for implementation Develop Patient ID standards at the start Establish dedicated HIE reps for each organization (member) with defined roles/responsibilities



Lessons Learned (Cont'd)

HIE	Lessons Learned
Ohio: CliniSync	 Absolutely critical to keep providers in their EMR experience Your model must be flexible. Direction and priorities change every 12-24 mos. Vendor must be a "Technology Partner" and have leverage to facilitate this relationship Define your "Customer Paying Stakeholders must "Buy In" and have a voice in your direction Hospitals are the key starting point Consumer/patient are always a priority; must decide how they best fit in your model Champions are key-facilitate conversations with EMR companies



Lessons Learned (Cont'd)

HIE	Lessons Learned
Rhode Island: CurrentCare	 Community decision-making process can be slow, but the outcomes are worth the time and effort Seek broad stakeholder input early and often Appropriate governance, management and performance measurement processes must be in place to drive sound decisions, ensure progress and provides transparency Opt-Out will generally allow for the greatest use of the HIE and avoid duplication of systems; but may limit types of data that can be included Develop system that can include and link a patient's clinical data with their claims data Role of government may change over time
Michigan:	✓ Minimize upfront investments- structured agreements to pay for infrastructure
Great Lakes Health Connect	 ✓ Consider more, those who have been successful like you rather than "HIE by the book"- consider partnerships ✓ There is no "end" to the HIE's development



What's Next?

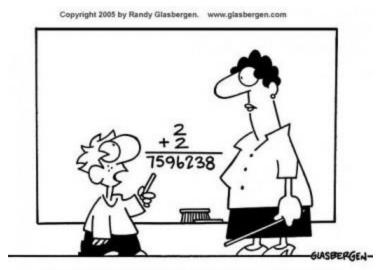


Vote on soliciting an RFI versus an RFP for HIE vendor(s)





HITE-CT Policies and Procedures Q&A



"In an increasingly complex world, sometimes old questions require new answers."



Future Agenda Item Requests





Wrap Up and Next Steps

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- Strategize for Future Agenda Item Requests
- Next meeting April 21



Thank You!

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Department of Social Services: Public Act 15-146 Site



Appendix: Opt-in/Opt-out References



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The HealthIT.gov website provides good information regarding HIEs. https://www.healthit.gov/providers-professionals/meaningful-consent-overview

Consumer Consent Options for Electronic Health Information Exchange: Policy Considerations and Analysis https://www.healthit.gov/sites/default/files/choicemodelfinal032610.pdf

Consent Options for Electronic Health Information Exchange in Texas http://www.illinois.gov/sites/ilhie/Documents/Consent%20Options%20for%20HIE%20Texas_June2011.pdf

Managing Consent in and HIE Environment
http://www.himss.org/News/NewsDetail.aspx?ltemNumber=16405